

PARADISGM SHIFT AGENDA IN “THE WORLD IN 2050”

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“The World in 2050” (TWI-2050) aims not only to contribute to this understanding of sustainable development goals (SDGs) but also develop science-based transformational and equitable pathways to achieve it. TWI-2050 article which was published by The International Institute for Applied Systems Analysis (IIASA), covers members from National Member Organizations in Africa, the Americas, Asia, and Europe. This publication is a tool or guideline- for policy-makers, experts, scientist and engineers, and revolutionist in SDGs implementers [Nakicenovic, 2019]. TWI-2050 represents the integrated pathways which harness the synergies and multiple benefits across SDGs, and approaches to governing this sustainability transformation [UNSDN, 2019]. The Roadmap 2050 anchored six pillars and reported the most influential component in SDGs. It is translated with variety of hopes, intentions, action plan and more holistic approach with the vital transformational agenda [Horan, 2019]. The endeavour of transformation is about courage to utilize the Industrial Revolution 4.0 [Lafortune and Schmidt Traub, 2019] with the numerous data and autonomous technical system should be the advantage in improving the global issues. The limitation to the poorest country or region must be shaped through the sustainable empowerment, create more benefits rather than competing, and exploitation of opportunities. Finally, transformation on connectivity is the most tremendous effort in the future.

Keywords: Roadmap to 2050, TWI-2050, SDGs.

AUTHOR’S CONTRIBUTION

Mohd Fadhil Md Din conceptualised the central research idea and wrote the article. Santhana Krishnan, carried out the critical research value and provided the theoretical framework. Yu-You Li, and Yu Qin anchored the review and revisions.

CONFLICT OF INTEREST STATEMENT

The authors agree that this research was conducted in the absence of any self-benefits, commercial or financial conflicts and declare absence of conflicting interests with the funders.

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References

- [1] Horan, D. 2019. A New Approach to Partnerships for SDG Transformations. *Sustainability*. 11(18), 4947.
- [2] Lafortune, G., & Schmidt-Traub, G. (2019). SDG Challenges in G20 Countries. *Sustainable Development Goals*. 219-234.
- [3] Nakicenovic, N. 2019. Sustainable Development For All The World in 2050.
- [4] UNSDN 2019 report:
- [5] <https://resources.unsdsn.org/twi205016d4caa4..>